

PROJECTS FOR THE NUCLEAR MATERIALS FOCUS AREA

The CMST-CP, working closely with the Nuclear Materials Focus Area (NMFA) and using documents from all DOE sites (e.g., Technology Development Needs Statements, Site Technology Deployment Plans, and site cleanup schedules and plans), has identified the following areas for needed technology development:

- Non-destructive assay (NDA) and non-destructive evaluation (NDE) techniques for monitoring the internal pressure of containers used for the storage of nuclear materials.
- Monitors for assaying and evaluating nuclear materials on melted scrap metal to determine whether it can be released for reuse or recycling.
- Monitoring technologies for the stabilization of nuclear materials before disposal or placement in interim storage.

All new projects related to the detection, monitoring, assay, and evaluation of nuclear materials are jointly evaluated by both the CMST-CP and the NMFA. Similarly, ongoing projects are jointly reviewed each year by the CMST-CP and NMFA to assess their progress. In FY 2000, the CMST-CP is not funding any project in the NMFA category, but one carryover project from FY 1999 (TTP CH17C232) is active. A summary of that technology project follows.